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PATENT APPLICATION

ATTORNEY DOCKET NO. ______10017135-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Arra E. Avakian, et al. Confirmation No.: 1128

Application No.: 10/640,626

Examiner: Pantoliano, Jr., Richard

Filing Date:

August 12, 2003

Group Art Unit: 2194

Title: Instrumenting Java Code By Modifying Bytecodes

Mail Stop Amendment Commissioner For Patents PO Box 1450 Alexandria. VA 22313-1450

Alexandria, VA 22313-1430	
INFORMATION DISCLOSU	RE STATEMENT
This Information Disclosure Statement is submitted: under 37 CFR 1.97 (b), or	
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It is requested that the information disclosed herein be made of rec	ord in this application.
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Complete If Known				
Applicant Number	10/640,626			
Filing Date	August 12, 2003			
First Named Inventor	AVAKIAN, et al.			
Art Unit	2194			
Examiner Name	Pantoliano Jr., Richard			
Attorney Docket Number	10017135-1			

	U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (if known)}	Publication Date MM-DD-YY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
		US- 5,848,274	12-08-1998	Hamby, et al.	-		
		US- 6,026,237	02-15-2000	Berry, et al.			
		US- 6,041,352	03-21-2000	Burdick, et al.			
		US- 6,263,491	07-17-2001	Hunt, Galen C.			
		US- 6,298,475	10-02-2001	Alcorn, John William			
		US- 6,314,558	11-06-2001	Angel, et al.			
		US- 6,327,700	12-04-2001	Chen, et al.			
		US- 6,349,406	02-19-2002	Levine, et al.			
		US- 6,442,620	08-27-2002	Thatte, et al.			
		US- 6,587,888	07-01-2003	Chieu, et al.			
		US- 6,742,178	05-25-2004	Berry, et al.			
		US- 6,748,555	06-08-2004	Teegan, et al.			
		US- 6,772,228	08-03-2004	Aragona, Daniel			
		US- 7,003,565	02-21-2006	Hind, et al.			
		US- 2003/0093772	05-15-2003	Stephenson, David Arthur			
		US- 2003/0120593	06-26-2003	Bansal, et al.			
		US- 2003/0135789	07-17-2003	DeWitt, et al.			
		US- 2003/0195959	10-16-2003	Labadie, et al.			
		US- 20040220947	11-04-2004	Aman, et al.			
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FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
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				Applicant Number	10/640,620
INFORMATION DISCLOSURE				Filing Date	August 12, 2003
_	STATEMENT BY APPLICANT			First Named Inventor	AVAKIAN, Arra E.
•				Art Unit	2194
	(Use as many sheets as nec	essary)		Examiner Name	Pantoliano Jr., Richard
Sheet	2	of	2	Attorney Docket Number	10017135-1

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²			
		ARNOLD, et al. "Approximating the Calling Context Tree via Sampling" IBM Research Report. July 7, 2000.				
		JOHNSON, Mark W. "The Application Response Measurement (ARM) API, Version 2." ARM Working Group, 1997.				
******		Hunt, et al. "Intercepting and Instrumenting COM Applications". 5 th USENIX Conference on Object-Oriented Technologies and Systems. 1999.				
		DUNN, Michael. "Introduction to COM – What it is and How to Use It." The Code Project. July 28, 2000.				
		BROWN, Keith. "Building a Lightweight COM Interception Framework Part 1: The Universal Delegator." Microsoft Systems Journal. January 1999.				
		Package gnu.bytecode. http://sources.redhat.com/kawa/api/gnu/bytecode/package-summary.html . Accessed November 8, 2006.	1			
		KELLER, et al. "Supporting The Integration and Evolution of Components Through Binary Component Adaptation". Technical Report TRCS97-15. September 9, 1997.				
		Jikes Bytecode Toolkit. http://www.alphaworks.ibm.com/tech/jikesbt . Posted March 31, 2000. Accessed November 8, 2006.	†			
		The Java Object Instrumentation Environment. http://www.cs.duke.edu/ari/joie . May 1, 2003. Accessed November 8, 2006.				
		LEE, Han Bok. "BIT: BYTEMCODE INSTRUMENTING TOOL" Thesis submitted to University of Colorado, 1997.				
	•••••	CFPARKSE http://www.alphaworks.ibm.com/tech.cfparse . April 30, 1999. Accessed August 15, 2003.				
		Welcome to the Byte Code Engineering Library. http://bcel.sourceforge.net . April 12, 2002. Accessed November 28, 2006.				
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